



TP-123

Computer Graphics Video, Stereo Audio & RS-232 over Twisted Pair Transmitter



Compatible with HDTV component video signals when used with a breakout cable such as the Kramer C-GM/3RVC.



The TP-123 is a twisted pair transmitter for computer graphics video, unbalanced stereo audio and RS-232 data signals. The TP-123 converts computer graphics, audio, and RS-232 inputs to a twisted pair signal, and the TP-124 converts the twisted pair signal back into computer graphics, audio and RS-232 data signals.

FEATURES

- HDTV Compatible.
- Max. Resolution - WUXGA & 1080p.
- Twisted Pair Connectors - RJ-45 connectors.
- System Range - Up to 100m (320ft). Greater distances possible depending on resolution and cable.
- Cable - UTP (unshielded twisted pair) or STP (shielded twisted pair) such as CAT 5.
- Power Connect™ System - Only one unit in a system, the transmitter or the receiver needs to be connected to a power source when the devices are within 50m (150ft) of each other.
- Uni-Directional RS-232 - Maximum bitrate 19200bps.
- RS-232 Connect™ System - The unit can send RS-232 commands on the twisted pair cable on top of the video signal. All the system units must have RS-232 Connect to use this feature.
- Compact Kramer TOOLS™ - 3 units can be rack mounted side-by-side in a 1U rack space with the optional RK-3T rack adapter.



TP-123

TECHNICAL SPECIFICATIONS

- INPUT:** Video: 1VGA/UXGA on a 15-pin HD connector; Audio: 1 audio ANALOG 3.5mm mini jack.
- OUTPUTS:** 1 RJ-45 OUT connector.
- S/N RATIO:** Video: 58dB unweighted, 68.3dB @5MHz weighted; Audio: <-80dB.
- TOTAL GAIN:** Audio: Analog/analog: 0dB; Analog/SPDIF: -12dBFS.
- COUPLING:** AC.
- THD+N Audio:** <0.01%.
- COMMUNICATION:** RS-232 on 2-pin terminal block; maximum bitrate 19200bps.
- MAX. RESOLUTION:** WUXGA & 1080p.
- POWER SOURCE:** 12V DC, 130mA. 550mA (TP-123/TP-124 pair when powered from TP-123 via Power Connect)
12V DC 390mA (TP-123/TP-124 pair when powered from TP-124 via Power Connect).
- DIMENSIONS:** 12cm x 7.5cm x 2.5cm (4.7" x 2.95" x 0.98") W, D, H.
- WEIGHT:** 0.3kg (0.67lbs) approx.
- ACCESSORIES:** Power supply.
- OPTIONS:** RK-3T 19" rack adapter.

